

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended) A vital data utilization system comprising:

a server;

a receiving apparatus; and

a plurality of measurement instruments,

wherein said server, said receiving apparatus and said measurement instruments are connected via a communication network,

wherein each of said measurement instruments includes:

a vital data measurement device that measures a body temperature-vital data of a respective subject, ~~the vital data serving as an indicator of an infection~~; and

a sending device that sends the measured body temperature[[,]] to said server, ~~the measured vital data~~,

wherein said server includes:

a receiving device that receives a plurality of measured body temperatures-vital data including ~~the measured vital data~~, the plurality of vital data being received from said plurality of measurement instruments;

a storage device that stores each of the plurality of body temperatures-vital data, each of the plurality of body temperatures-vital data being stored in association with at least one of (i) measurement position information indicating a position of a respective measurement instrument included in said plurality of measurement instruments and (ii) residence information indicating a position of a respective residence of [[a]] the subject at which the respective measurement instrument is placed;

a database making device that stores the plurality of body temperatures~~vital data~~ into said storage device to make and makes a database including the plurality body temperatures~~of vital data~~, each of the plurality of body temperatures~~vital data~~ being included ~~stored~~ in the database in association with at least one of (i) the measurement position information and (ii) the residence information;

a value-added information making device that calculates, for each respective area of a plurality of areas, ~~processes each of the plurality of vital data stored in the database for the respective subject identified in the database, the processing being based on the at least one of~~ (i) the measurement position information an average value of the plurality of body temperatures, based on (a) the plurality of body temperatures of the subjects and (b) at least one of (i) the measurement position information and (ii) the residence information, both which are associated with the plurality of body temperatures ~~each of the plurality of vital data stored in the database, and makes, from the plurality of body temperatures included in the database~~ vital data, value-added information indicating a geographical distribution of average values of the plurality of body temperatures calculated for the respective areas ~~of the plurality of vital data stored in the database, the geographical distribution representing the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease; and~~

a value-added information providing device that provides said receiving apparatus with the value-added information, and

wherein said receiving apparatus includes an output device that receives the value-added information provided by said value-added information providing device, and presents and

outputs the geographical distribution of the average values of the plurality of body temperatures, such that the geographical distribution is superimposed on a map vital data, the geographical distribution representing the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease.

Claim 2 (Currently Amended) The vital data utilization system according to Claim 1,

wherein each measurement instrument included in said plurality of measurement instruments further includes a clock device that detects a measurement time at which the body temperature vital data is measured,

wherein said sending device sends, to said server, a set of information including the body temperature measured vital data and the measurement time,

wherein said receiving device of said server receives a plurality of sets of information [[,]] from said plurality of measurement instruments, a plurality of sets of information,

wherein said storage device of said server stores the plurality of sets of information, each respective set of information of the plurality of sets of information including a respective body temperature vital data and a respective measurement time and each respective set of information being stored in association with at least one of (i) the measurement position information and (ii) the residence information,

wherein said database making device of said server stores the plurality of received sets of information into said storage device to make and makes a database including the plurality of received sets of information, each respective set of information being included stored in the

database in association with at least one of the (i) the measurement position information and (ii) the residence information, and

wherein said value-added information making device of said server processes the body temperature ~~each vital data~~ of each respective set of information included ~~stored~~ in the database for the respective subject identified in the database in association with a respective measurement time and makes, from the body temperatures ~~included vital data~~ stored in the database for each subject identified in the database in association with the respective measurement time, value-added information indicating changes over time of a geographical distribution ~~distributions~~ of the average values indicated by the plurality of body temperatures ~~included vital data~~ stored in the database, the geographical distribution ~~distributions~~ representing the changes over time of the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease.

Claim 3 (Currently Amended) The vital data utilization system according to Claim 1, wherein said vital data measurement device quantitatively measures the subjects' body temperatures ~~vital data~~.

Claim 4 (Currently Amended) The vital data utilization system according to Claim 1, wherein said sending device adds, to a plurality of respective sets of information ~~respective sets of information, each respective set of~~ respective information including a respective body temperature ~~vital data~~, and respective measurement instrument identification information identifying a corresponding measurement instrument and sends the respective sets

of information including the respective measurement identification information to said server,

wherein said storage device unit stores the plurality of sets of respective information, each respective set of information including the body temperature-vital data and respective measurement instrument identification information and each respective set of information being stored in association with at least one of (i) the measurement position information and (ii) the residence information,

wherein said value-added information making device reads out, from said storage device, at least one of (i) the measurement position information and (ii) the residence information, based on the measurement instrument identification information received from the server, and processes the body temperature-vital data based on at least one of the read-out information.

Claim 5 (Currently Amended) The vital data utilization system according to Claim 1,

wherein said sending device adds, to a plurality of respective sets of information, each respective set of respective information including a respective body temperature-vital data, and at least one of (i) the measurement position information and (ii) the residence information, and sends the plurality of respective sets of information to said server, and

wherein said value-added information making device processes the body temperature-vital data, of each respective set of information received from said sending unit, based on at least one of (i) the measurement position information received from said sending device and (ii) the residence information received from said sending device.

Claim 6 (Currently Amended) The vital data utilization system according to Claim 1,

wherein said database making device updates the database each time at least one new set of information including the body temperature vital data is received, and

wherein said value-added information making device updates the value-added information based on the updated database.

Claim 7 (Currently Amended) The vital data utilization system according to Claim 1, wherein said receiving apparatus is placed in at least one of a hospital, a public facility excluding a hospital, and a house of [[a]]the subject.

Claim 8 (Cancelled)

Claim 9 (Cancelled)

Claim 10 (Cancelled)

Claim 11 (Previously Presented) The vital data utilization system according to Claim 1, wherein said vital data measurement device is located at housing equipment in a house of the subject.

Claim 12 (Currently Amended) The vital data utilization system according to Claim 11, wherein the housing equipment is one of a toilet apparatus and a bed, and wherein said vital data measurement device includes ~~at least one of a thermometer, a~~

~~blood pressure meter, a pulsimeter, an electrocardiograph, and a meter of oxygen saturation in blood, a thermometer for measuring the body temperature vital data, and said vital data measurement device measures the body temperature vital data at a time when the subject uses one of the toilet apparatus and the bed.~~

Claim 13 (Cancelled)

Claim 14 (Cancelled)

Claim 15 (Previously Presented) The vital data utilization system according to Claim 1, wherein said server further includes a charging device that calculates a charge for value-added information provided to said receiving apparatus.

Claim 16 (Previously Presented) The vital data utilization system according to Claim 15, wherein said server further includes an incentive calculation device that calculates an incentive for each subject.

Claim 17 (Previously Presented) The vital data utilization system according to Claim 16, wherein said incentive calculation device adds, to a charge calculated by said charging device, a value of the incentive for each subject.

Claim 18 (Previously Presented) The vital data utilization system according to Claim 16,

wherein said incentive calculation device calculates points to be exchanged for at least one of (i) a right to receive the value-added information, (ii) a right to receive a discount from a rate of the value-added information, (iii) a right to receive a free distribution of or a discount from a sale price of a commodity to be used by said vital data measurement device, (iv) a right to receive another service, and (v) a right to receive a free distribution of or a discount from a sale price of another commodity.

Claim 19 (Currently Amended) The vital data utilization system according to Claim 1, wherein said receiving apparatus is a mobile type apparatus and further includes a present position detection device that detects a present position, and wherein said output device receives the value-added information indicating a geographical the geographical distribution of the average values of the plurality of body temperatures vital data of the respective subjects located at the detected present position and located at a peripheral part of the detected present position, and presents and outputs the geographical distribution of the average values of the plurality of body temperatures vital data of the respective subjects located at the detected present position and located at the peripheral part of the detected present position, the geographical distribution representing the average values of the plurality of body temperatures vital data using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease, the value-added information being provided by said value-added information providing device.

Claim 20 (Currently Amended) A server in a system in which said server, a receiving apparatus and a plurality of measurement instruments are connected via a communication network, said server comprising:

a receiving device that receives a plurality of body temperatures sets of information, each respective set of information including measured vital data and a respective measurement time at which the vital data is measured, the plurality of sets of information being received from the plurality of measurement instruments, the vital data serving as an indicator of an infection;

a storage device that stores the plurality of body temperatures, each of the plurality of body temperatures being stored each respective set of information of the plurality of received sets of information, each respective set of information being stored in association with at least one of (i) measurement position information indicating a position of a respective measurement instrument included in the plurality of measurement instruments and (ii) residence information indicating a position of a respective residence of a subject at which the respective measurement instrument is placed;

a database making device that stores the plurality of body temperatures received sets of information into said storage device to make and makes a database including the plurality of body temperatures, each of the plurality of body temperatures being included received sets of information, each respective set of information of the plurality of received sets of information being stored in the database in association with at least one of (i) the measurement position information and (ii) the residence information;

a value-added information making device that calculates, for each respective area of a plurality of areas, an average value of the plurality of body temperatures, based on (a) the

plurality of body temperatures of the subjects and (b) at least one of (i) the measurement position information and (ii) the residence information, both associated with the plurality of body temperatures ~~processes the vital data of each respective set of information stored in the database for each respective subject identified in the database in association with a respective measurement time at which the vital data is measured, and makes, from the plurality of body temperatures included vital data stored in the database for each subject identified in the database in association with the respective measurement time, value-added information indicating a geographical distribution distributions of average values of the plurality of body temperatures vital data or changes over time of the geographical distribution distributions of the average values of the plurality of body temperatures, vital data, based on at least one of the measurement position information and the residence information, the geographical distribution distributions representing the average values calculated for the respective areas and the changes over time of the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease; and a value-added information providing device that provides the receiving apparatus with the value-added information.~~

Claim 21 (Currently Amended) The server according to Claim 20,

wherein said receiving device receives, from each respective measurement instrument, a respective set of information to which measurement instrument identification information identifying the respective measurement instrument is added,

wherein said storage device previously stores at least one of (i) the measurement position

information and (ii) the residence information, and

wherein said value-added information making device reads out, from said storage device, at least one of (i) the measurement position information and (ii) the residence information, based on the received measurement instrument identification information, and calculates processes the average value of the plurality of body temperatures in each area vital data based on at least one of the read-out information.

Claim 22 (Currently Amended) The server according to Claim 20,

wherein said receiving device receives, from each respective measurement instrument, a respective set of information to which at least one of (i) the measurement position information and (ii) the residence information is ~~further~~ added, and

wherein said value-added information making device ~~processes~~ the vital data calculates the average value of the plurality of body temperatures in each area based on at least one of (i) the ~~received~~ measurement instrument position information and (ii) the received residence information.

Claim 23 (Currently Amended) The server according to Claim 20,

wherein said database making device updates the database each time at least one new set of information including the body temperature measured vital data is received, and

wherein said value-added information making device updates the value-added information based on the updated database.

Claim 24 (Currently Amended) A vital data utilization method of using a system in which a server, a receiving apparatus, and a plurality of measurement instruments are connected via a communication network, said vital data utilization method comprising:

using each respective ~~the~~ measurement instrument for:

measuring a body temperature ~~vital data~~ of a respective subject, ~~the vital data~~ serving as an indicator of an infection; and

detecting a respective measurement time at which the ~~vital data is measured~~; and sending~~[[,]]~~ the measured body temperature to the server, a respective set of information including ~~the measured vital data and the respective measurement time~~;

using the server, including a storage device that stores a plurality of body temperatures, each of the plurality of body temperatures being stored in association with at least one of (i) measurement position information indicating a position of a respective measurement instrument included in the plurality of measurement instruments and (ii) residence information indicating a position of a respective residence of the subject at which the respective measurement instrument is placed, for sets of information, each set of information including measured vital data and a respective measurement time, for:

receiving the plurality of body temperatures~~[[,]]~~ from the plurality of measurement instruments, ~~the plurality of sets of information~~;

storing the plurality of body temperatures into the storage device to make a database including the plurality of body temperatures, each of the plurality of body temperatures being stored each respective set of information of the plurality of received sets of information into the storage device, each respective set of information being stored in association with at

least one of (i) the measurement position information indicating a position of a respective measurement instrument included in the plurality of measurement instruments and (ii) the residence information indicating a position of a respective residence of a subject at which the respective measurement instrument is placed;

making a database including the plurality of received sets of information;

calculating, for each respective area of a plurality of areas, an average value of the plurality of body temperatures, based on (a) the plurality of body temperatures of the subjects and (b) at least one of (i) the measurement position information and (ii) the residence information, both associated with the plurality of body temperatures, and making, from the plurality of body temperatures included in the database for each subject identified in the database in association with the respective measurement time, value-added information indicating a geographical distribution distributions of average values of the plurality of body temperatures-vital data included in the database or changes over time of the geographical distribution-distributions of the average values of the plurality of body temperatures-vital data included in the database, based on at least one of (i) the measurement position information and (ii) the residence information associated with each respective set of information identifying a respective subject stored in the database, the geographical distribution distributions representing the average values of the plurality of body temperatures calculated for the respective areas of the plurality of areas and the changes over time of the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease; and

providing the receiving apparatus with the value-added information; and

using the receiving apparatus for receiving the value-added information provided in said providing, and presenting and outputting the geographical distribution of the average values of the plurality of body temperatures, such that the geographical distribution is superimposed on a map, the geographical distribution representing the average values calculated for the respective areas and the changes over time of the average values using shading, such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease presenting and outputting the value-added information provided in said providing of the value-added information.

Claim 25 (Currently Amended) A vital data utilization method of using a server in a system in which the server, a receiving apparatus, and a plurality of measurement instruments are connected via a communication network, the server including a storage device that stores a respective body temperature in association with at least one of (i) measurement position information indicating a position of a respective measurement instrument of the plurality of measurement instruments and (ii) residence information indicating a position of a respective residence of a subject at which the respective measurement instrument is placed sets of information including vital data, said vital data utilization method comprising:

receiving a plurality of body temperatures [[,]] from the plurality of measurement instruments, a plurality of sets of information, each respective set of information including measured vital data and a respective measurement time at which the vital data is measured, the vital data serving as an indicator of an infection;

storing the received plurality of body temperatures each respective set of information of

the plurality of received sets of information into the storage device, each respective set of information being stored in association with at least one of (i) the measurement position information indicating a position of a respective measurement instrument included in the plurality of measurement instruments and (ii) the residence information, to make a database including, as a plurality of received sets of information, the received plurality of body temperatures indicating a position of a respective residence of a respective subject at which the respective measurement instrument is placed;

making a database including the plurality of received sets of information; calculating, for each respective area of a plurality of areas, an average value of the plurality of body temperatures, based on (a) the plurality of body temperatures of subjects and (b) at least one of (i) the measurement position information and (ii) the residence information, both associated with the plurality of body temperatures, and making value-added information indicating a geographical distribution-distributions of average values of the plurality of body temperatures vital data included in the database or changes over time of the geographical distribution-distributions of the average values of the plurality of body temperatures vital data included in the database, based on at least one of (i) the measurement position information and (ii) the residence information included in each respective set of information identifying a respective subject stored in the database, the geographical distribution-distributions representing the average values calculated for the respective areas and the changes over time of the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease; and

providing the receiving apparatus with the value-added information.

Claim 26 (Cancelled)

Claim 27 (Currently Amended) A computer-readable recording medium having a program recorded thereon, the program causing a computer to execute a method comprising:

receiving[[.]] a plurality of body temperatures from a plurality of measurement instruments, ~~a plurality of sets of information, each respective set of information including measured vital data and a respective measurement time at which the vital data is measured, the vital data serving as an indicator of an infection;~~

storing the received plurality of body temperatures into the storage device to make a database including the plurality of body temperatures, each of the plurality of body temperatures being stored each respective set of information of the plurality of sets of information into the storage device, each respective set of information being stored in association with at least one of (i) measurement position information indicating a position of a respective measurement instrument included in the plurality of measurement instruments and (ii) residence information indicating a position of a respective residence of a respective subject at which the respective measurement instrument is placed;

making a database including the plurality of received sets of information;
calculating, for each respective area of a plurality of areas, an average value of the plurality of body temperatures, based on (a) the plurality of body temperatures of subjects and (b) at least one of (i) the measurement position information and (ii) the residence information, both associated with the plurality of body temperatures, and making, from the plurality of body

temperatures included in the database for each subject identified in the database in association with the respective measurement time, value-added information indicating a geographical distribution~~distributions~~ of average values of the plurality of body temperatures~~vital data~~ included in the database or changes over time of the geographical distribution~~distributions~~ of the average values of the plurality of body temperatures~~vital data~~ included in the database, based on at least one of (i) the measurement position information and (ii) the residence information included each respective set of information identifying a respective subject stored in the database, the geographical distribution~~distributions~~ representing the average values calculated for the respective areas of the plurality of areas and the changes over time of the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease; and

providing the receiving apparatus with the value-added information.

Claim 28 (Cancelled)

Claim 29 (Currently Amended) A receiving apparatus in a system in which a server, said receiving apparatus and a plurality of measurement instruments are connected via a communication network, said receiving apparatus comprising[[:]]

an output device that receives information provided by the server, and presents and outputs the received information,
wherein each of the measurement instruments includes:

a vital data measurement device that measures a body temperature~~vital data~~ of a

respective subject, the vital data serving as an indicator of an infection; and

a clock device that detects a respective measurement time at which the vital data is measured; and

a sending device that sends[[,]] the measured body temperature to the server, a respective set of information including the vital data and the respective measurement time,

wherein the server includes:

a receiving device that receives a plurality of measured body temperatures a plurality of sets of information, each respective set of information including the vital data and the respective measurement time, the plurality of sets of information being received from the plurality of measurement instruments[[,]];

a storage device that stores the plurality of body temperatures, each of the plurality of body temperatures being stored each respective set of information of the plurality of sets of information, each set of information being stored in association with at least one of (i) measurement position information indicating a position of a respective measurement instrument included in the plurality of measurement instruments and (ii) residence information indicating a position of a respective residence of the [[a]] subject at which the respective measurement instrument is placed;

a database making device that stores the plurality of body temperatures received sets of information into the storage device to make and makes a database including the plurality of body temperatures, each of the plurality of body temperatures being included received sets of information, each respective set of information being stored in the database in association with at least one of (i) the measurement position information and (ii) the residence information;

a value-added information making device that calculates, for each respective area of a plurality of areas, an average value of the plurality of body temperatures, based on (a) the plurality of body temperatures of the subjects and (b) at least one of (i) the measurement position information and (ii) the residence information, both associated with the plurality of body temperatures, processes each vital data of each respective set of information stored in the database for the respective subject identified in the database in association with the respective measurement time and makes, from the plurality of body temperatures included vital data of each respective set of information stored in the database for each subject identified in the database in association with the respective measurement time, value-added information indicating a geographical distribution-distributions of average values of the plurality of body temperatures included vital data stored in the database or changes over time of the geographical distribution-distributions of the average values of the plurality of body temperatures included vital data stored in the database, the geographical distribution-distributions representing the average values calculated for the respective areas of the plurality of areas and the changes over time of the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease; and

a value-added information providing device that provides said receiving apparatus with the value-added information; and

wherein said output device receives the value-added information provided by said the value-added information providing device, and presents and outputs the geographical distribution-distributions of the average values of the plurality of body temperatures included vital data stored in the database or the changes over time of the geographical distribution-

~~distributions of the average values of the plurality of body temperatures included vital data stored in the database, such that the geographical distribution is superimposed on a map, the geographical distribution distributions representing the average values calculated for the respective areas of the plurality of areas~~ and the changes over time of the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease.

Claim 30 (Currently Amended) The receiving apparatus according to Claim 29, the receiving apparatus being a mobile type apparatus and further comprising a present position detection device that detects a present position,

wherein said output device receives ~~the~~ value-added information indicating [[a]] ~~the~~ geographical distribution of ~~the~~ average values of the plurality of body temperatures ~~vital data~~ of the respective subjects located at the detected present position and located at a peripheral part of the detected present position, and presents and outputs the geographical ~~distribution distributions~~ of the average values of the plurality of body temperatures ~~vital data~~ of the respective subjects located at the detected present position and located at the peripheral part of the detected present position, ~~such that the geographical distribution is superimposed on a map, the geographical distribution distributions~~ representing the average values using shading such that the shading becomes darker as the average values increase and such that the shading becomes lighter as the average values decrease.